

DIAGNOSTIC COMPILER FOR PIPELINE ANALOG-TO-DIGITAL CONVERTER,
METHOD OF COMPILING AND TEST SYSTEM EMPLOYING THE SAME

ABSTRACT OF THE DISCLOSURE

The present invention is directed to a diagnostic compiler for use with a pipeline analog-to-digital converter (ADC) having code sequences corresponding to stages thereof. In one embodiment, the diagnostic compiler includes a transition locator configured to determine transition locations for the code sequences. The diagnostic compiler also includes a characteristics indicator coupled to the transition locator and configured to provide at least one characteristic of the ADC based on the transition locations.